

Contributors to This Issue

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JACOB F. DEWALD, B.S., 1943, Haverford College; Ph.D., 1949, California Institute of Technology; faculty, Duke University, 1948-49; faculty, Yale University, 1949-52; Bell Telephone Laboratories, 1952—. He has been engaged in studies of ionic and electronic motions across a variety of surfaces, recently concentrating on the semiconductor/electrolyte interface. Member American Chemical Society, American Electrochemical Society, American Physical Society, Phi Lambda Upsilon, Sigma Xi.

J. J. FORST, Newark College of Engineering; Western Electric Company, 1942-48, 1950-55; Bell Telephone Laboratories, 1948-49, 1955—. Mr. Forst has been a member of the mechanical research group since returning to Bell Laboratories, engaged in work on silicon and germanium strain gages and photoelastic stress analysis.

FRANZ T. GEYLING, B.S., 1950, M.S., 1951, and Ph.D., 1954, Stanford University; Bell Telephone Laboratories, 1954—. He was first engaged in research in photoelastic stress analysis and shell theory. More recently his work has been in ballistics of rockets and satellites. Member American Rocket Society, American Society of Mechanical Engineers, International Association of Bridge and Structural Engineering, Society of Experimental Stress Analysis, Phi Beta Kappa, Sigma Xi, Tau Beta Pi.

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1955—. He was first engaged in studies of the acoustical properties of telephone apparatus, and is presently engaged in experimental and theoretical studies of data transmission. Member I.R.E., Eta Kappa Nu, Sigma Xi, Tau Beta Pi.

ROBERT M. GRYB, B.S. in E.E., 1946, University of Illinois; New York Telephone Co., 1946-51; Bell Telephone Laboratories, 1951—. Since transferring from the New York Telephone Co., where he was a traffic engineer, Mr. Gryb has been concerned with traffic measuring devices, No. 5 crossbar switching equipment, and switching and signaling techniques for naval communications. He is at present in charge of a group concerned with data transmission systems. Member A.I.E.E., I.R.E.

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M. E. HINES, B.S., 1940, and M.S., 1946, California Institute of Technology; Pacific Telephone and Telegraph Co., 1936-39; Bell Telephone Laboratories, 1946—. His early work with Bell Laboratories was in development of electron tubes for high frequency and microwave systems. He has been engaged more recently in development of pulse code modulation transmission systems. Mr. Hines' present work is in solid state device research. Member I.R.E., Tau Beta Pi.

DAVID W. NAST, B.E.E., 1953, Cornell University; M.E.E., 1956, Newark College of Engineering; post-graduate studies, Columbia University; Bell Telephone Laboratories, 1953—. His work in systems engineering has included development of a transistorized repeater and transmission studies relating to electronic switching. He is at present in charge of a group concerned with pulse systems transmission engineering. Member I.R.E., Eta Kappa Nu, Phi Kappa Phi, Tau Beta Pi.

IAN C. ROSS, A.B., 1943, and Ph.D., 1957, Columbia University;

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W. VAN ROOSBROECK, A.B., 1934, and A.M., 1937, Columbia University; Bell Telephone Laboratories, 1937—. He was first concerned with development of pyrolytic carbon resistors and, during the last years of World War II, with analysis of infra-red bolometers. He later was engaged in studies of characteristics of the copper-oxide rectifier. Since 1948 he has specialized in research in solid state physics, with emphasis on theoretical aspects of semiconductor physics. Fellow American Physical Society; member American Association for the Advancement of Science, American Mathematical Society, Phi Beta Kappa.

BOGUMIL M. WOJCIECHOWSKI, E.E. (M.S.), 1936, Politechnic Institute of Warsaw; Research Staff, Physical Department, Politechnic Institute, 1936-38; Technical Advisor, Polish Stratospheric Board, 1937-39; National Institute of Telecommunication (Warsaw), 1937-39; Research Bureau, Industrielle des Téléphones (Paris), 1939-40; graduate studies, Sorbonne, 1939-40; Western Electric Co., 1942-55; Bell Telephone Laboratories, 1955-60. At the Western Electric Co. Mr. Wojciechowski was engaged in development of electrical methods and apparatus for precise industrial measurements. After transferring to Bell Laboratories he was engaged in development of special testing equipment for transmission measurements. Senior member I.R.E.; member A.I.E.E. Mr. Wojciechowski died on April 18, 1960.